

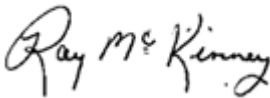
ISSUE DATE: April 26, 2005

PROGRAM INFORMATION BULLETIN NO. P05-09

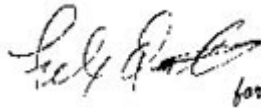
FROM: MARK E. SKILES  
Director of Technical Support



RAY MCKINNEY  
Administrator for  
Coal Mine Safety and Health



ROBERT M. FRIEND  
Administrator for  
Metal and Nonmetal Mine Safety and Health



SUBJECT: Proper Assembly of Mining Controls, Inc. (MCI) Model No. L-101  
Headlights, MSHA Certification X/P - 3839

**Who needs this information?**

Mine Safety and Health Administration (MSHA) personnel, underground coal mine operators, underground gassy metal nonmetal operators, miner's representatives, and repair shop facilities should have this information.

**What is the purpose of this Program Information Bulletin?**

This Program Information Bulletin (PIB) is to inform mine operators that the Mining Controls, Inc. (MCI) Model No. L-101 Headlight, MSHA Certification X/P - 3839, a permissible headlight assembly, may require a lens locking plate along with a set screw to ensure that the lens housing is locked against movement.

**What equipment is affected by this bulletin?**

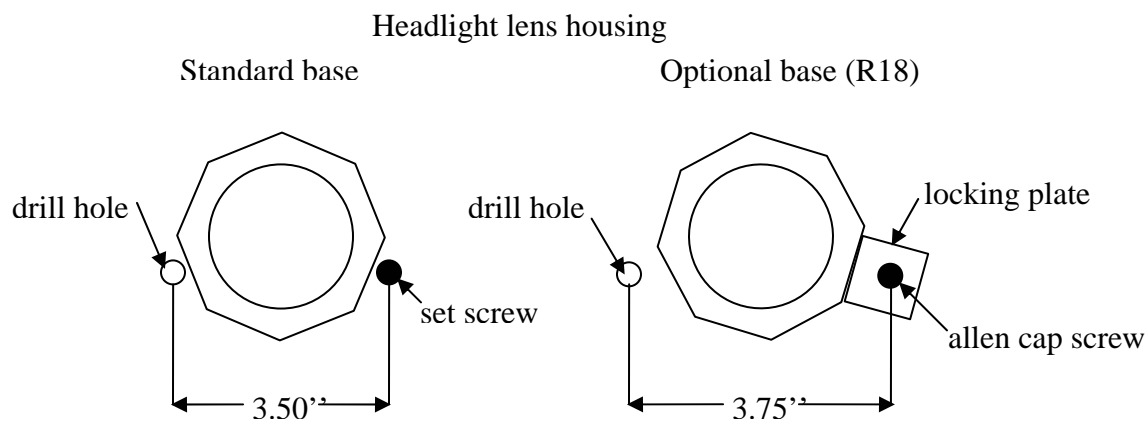
This PIB specifically addresses permissible headlight assembly bases manufactured by MCI on August 6, 1999, Batch No. R18.

**Why does this permissible headlight assembly require an additional piece to secure the lens housing?**

The additional piece (locking plate) along with the allen cap screw is needed to secure the lens housing against unintended loosening due to vibration of the machine on which it is mounted. Unintended turning of the lens housing could affect the permissibility of the headlight unit. There are two acceptable methods to secure the lens housing for the headlight assembly with serial no.L-101 and certification no. X/P-3938, depending on the approved design:

1. A single set screw positioned tight against the lens housing to prevent the lens housing from moving.
2. A lens locking plate positioned against the lens housing and tightened securely with an allen cap screw to prevent the lens housing from moving. This headlight assembly base has a batch number of R18 imprinted between the two gland holes.

NOTE: The lens locking plate and an allen cap screw need to be used to ensure the lens housing will not turn. The set screw used with other L-101 light assemblies can not be used with the R18 headlight assembly base because it will not lock the lens housing.



Either drill hole can be used to lock the lens housing

**What is the background for this bulletin?**

MSHA inspectors found a MCI light assembly with a screw that did not lock the lens housing. Upon investigation, the light assembly was found to have the locking screw holes drilled further apart than other light assemblies. A set screw was in the locking screw hole but could not function as designed due to the wider distance. The lens

housing could be turned without any effort. MCI's approval documentation allows the wider locking screw holes when used with a locking plate and an allen cap screw. A lens locking plate and allen cap screw were not used to lock the lens housing when the inspection of the light assembly in question was conducted by MSHA.

**What is MSHA's authority for this PIB?**

The Federal Mine Safety and Health Act of 1977; 30 CFR §18.12(b)

**Internet Availability**

This information bulletin may be viewed on the Internet by accessing MSHA's home page at <http://www.MSHA.gov> and then choosing Compliance Info and Program Information Bulletins.

**Who are the MSHA contact persons for this bulletin?**

Technical Support, Approval and Certification Center

Lynn M. Huggins (304) 547-2073

[Huggins.Lynn@dol.gov](mailto:Huggins.Lynn@dol.gov)

Coal Mine Safety and Health, Safety Division

Terry Bentley, (202) 693-9521

[Bentley.Terry@dol.gov](mailto:Bentley.Terry@dol.gov)

Metal and Nonmetal Safety and Health

Thomas J. Loyd, (202) 693-9645

[Loyd.Thomas@dol.gov](mailto:Loyd.Thomas@dol.gov)

**Distribution**

Program Policy Manual Holders

Underground Coal Mine Operators

Underground Gassy Metal Nonmetal Operators

Miner's Representatives

Repair Shop Facilities

Special Interest Groups